

## REMARKS

Claims 4-17 remain pending in the application after entry of this response. Claims 1-3 and 18-35 have been canceled without prejudice. Claims 1-35 are subject to restriction and/or election requirement as follows:

Species A: Figures 1, 4-11, and 24-39b: Claims 1-3: Electric submersible pump having filtering means

Species B: Figures 12-19: Claims 4-17: Drive circuit with a variable voltage source

Species C: Figures 20-21: Claims 18, 20, and 31-32: Drive circuit having means for minimizing the output power of the drive circuit at a fixed speed

Species D: Figures 22-23: Claims 19, 21-22, and 33-34: Drive circuit with means for maximizing the motor speed for a given output power

Species E: Figures 2-3: Claims 23-25 and 35: Downhole permanent magnet motor having an annular gap such that the fluid flow is turbulent during rotation of the rotor above a critical speed

Species F: Figure 7: Claims 26-29: Downhole motor having a bearing with spiral grooving

Species G: Figure 1A: Claim 30: Drive circuit with variable voltage supply and an inverter for producing modulated waveforms between an upper voltage level and a lower voltage level

Applicants provisionally elect Species B, without traverse. Claims 4-17 are drawn to Species B. Having addressed all issues set out in the office action, Applicants respectfully request withdrawal or modification of the restriction requirement.

Respectfully submitted,



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